

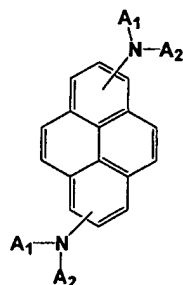
Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A blue organic electroluminescent device, comprising:
a substrate;
a first and second electrodes formed on the substrate;
an emitting layer formed between the first electrode and the second electrode, the emitting layer having a plurality of materials and comprising a blue emitting material using a chemical formula 1 as a dopant

[Chemical formula]



wherein, A1 and A2 are selected from a substituted or non-substituted aromatic group, a heterocyclic group, an aliphatic group and hydrogen[[]],

wherein materials forming the emitting layer together with the material of the chemical formula 1 is structured as a chemical formula 2[[]]

[Chemical formula 2]

B1 - X - B2

wherein the X is selected from a group consisting of naphthalene, phenanthrene, pyrene, perylene, and quinoline

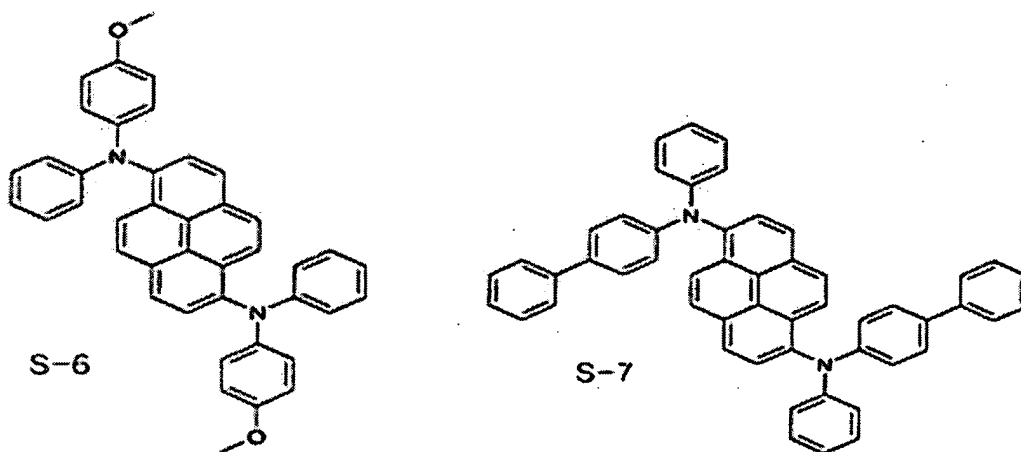
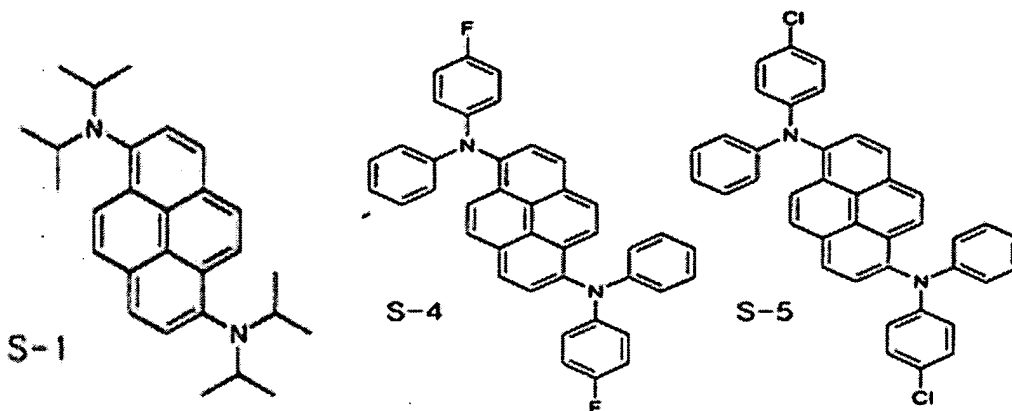
wherein the B1 and B2 are selected from phenyl, pyridyl, naphthyl, tritolyphenyl, biphenylenyl, anthryl, phenanthryl, pyrenyl, perylenyl, quinolyl, isoquinolyl, fluorenyl, terphenyl, tolyl, xylyl, methylnaphthyl, and hydrogen;

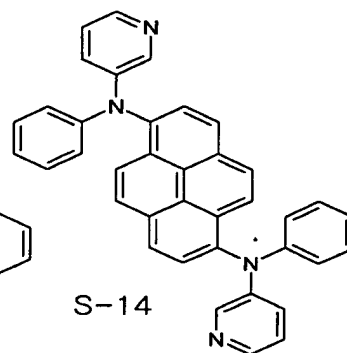
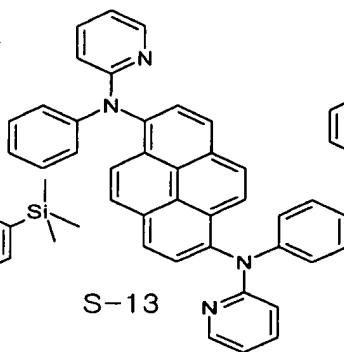
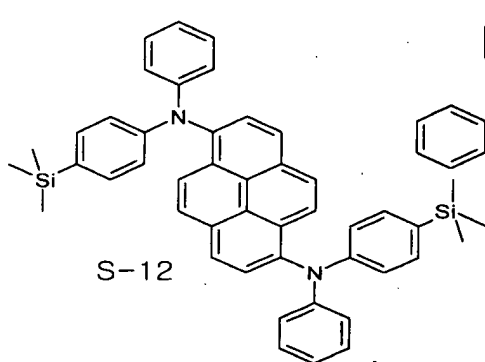
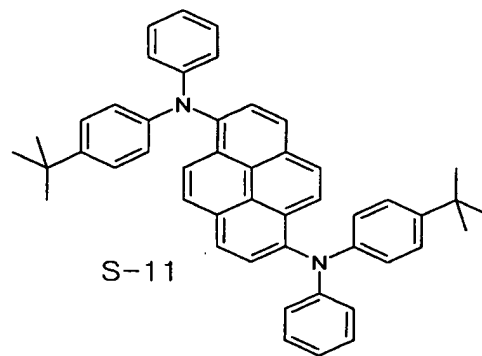
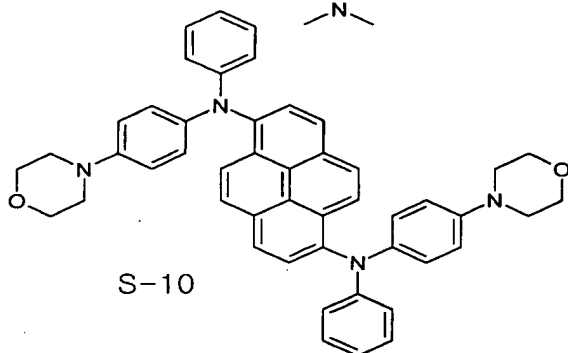
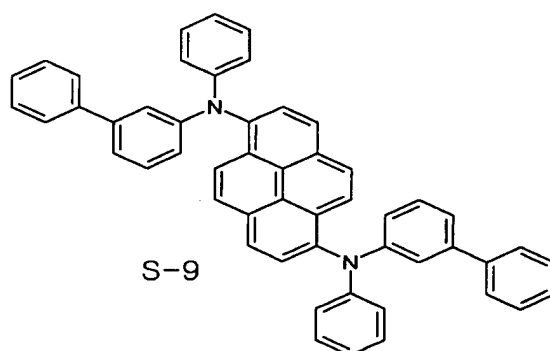
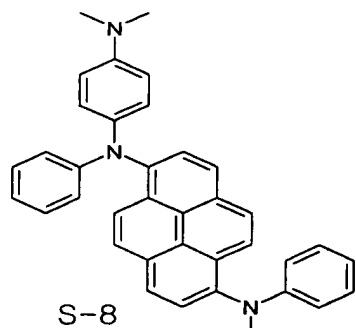
wherein A1 and A2 are selected from a substituted or non-substituted biphenyl, a substituted or non-substituted pyridyl, a substituted or non-substituted naphthyl, a substituted or non-substituted quinolyl, a substituted or non-substituted isoquinolyl, a substituted or non-substituted fluorenyl, a substituted or non-substituted terphenyl, methyl, ethyl, propyl, i-propyl, and t-butyl;

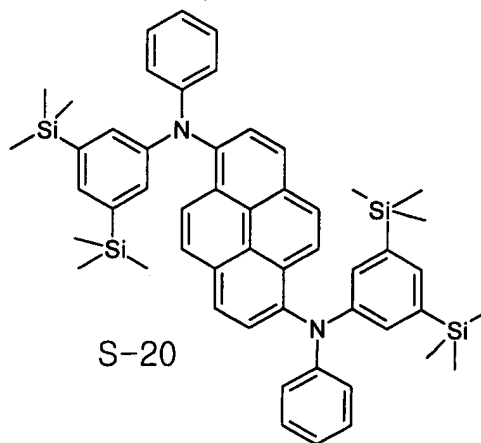
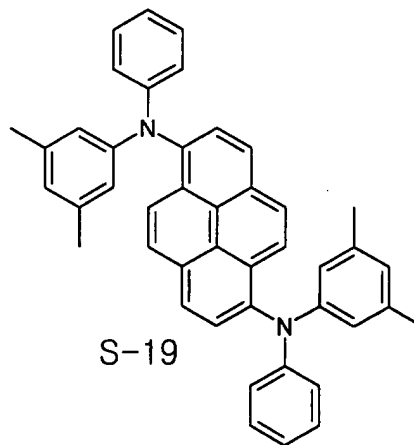
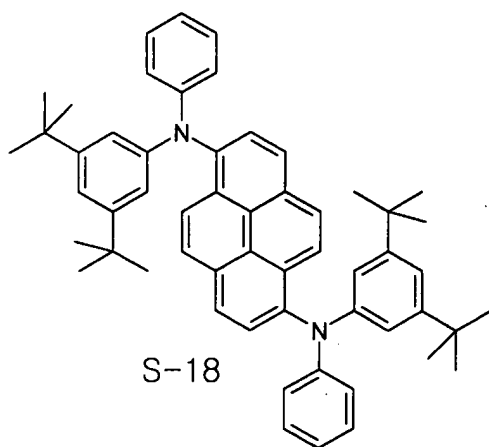
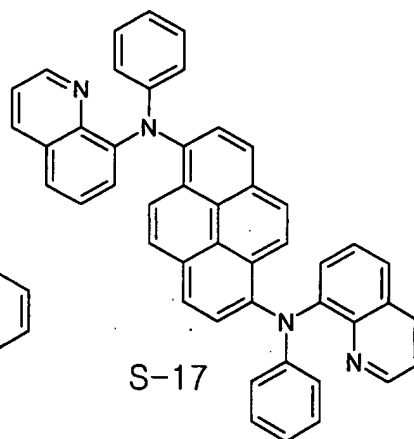
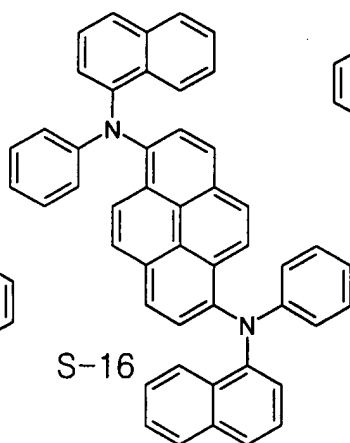
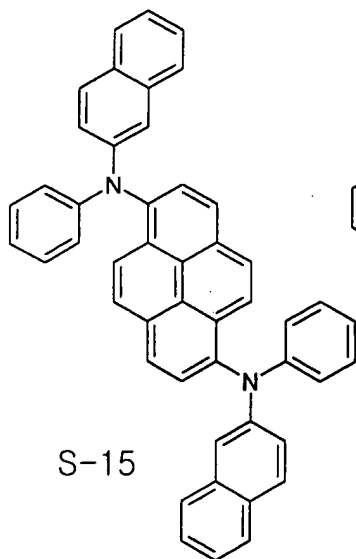
wherein a substituent of each substituted A1 and A2 is selected from alkyl, alkoxy, alkylamino, alkylsilyl, halogen, aryl, aryloxy, arylamino, arylsilyl and hydrogen; and

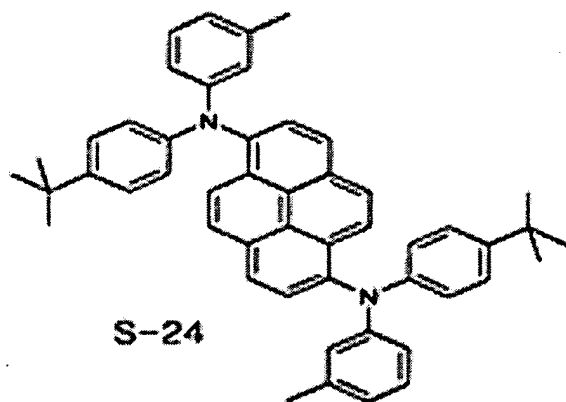
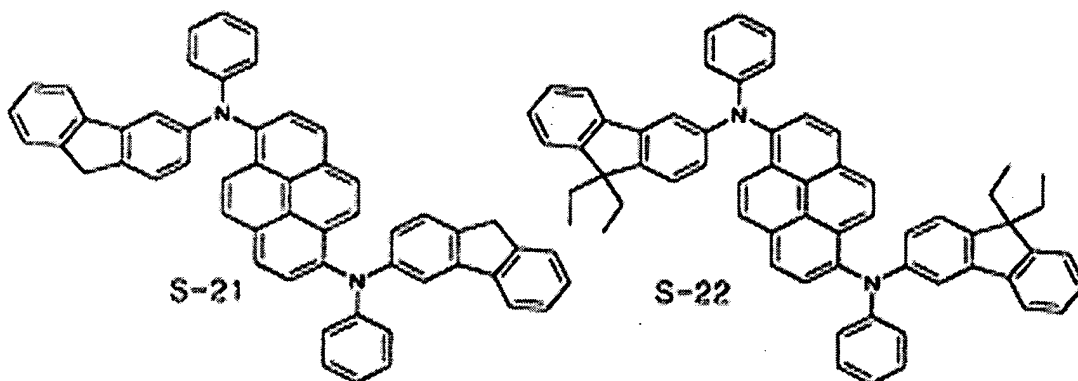
wherein the substituent is one selected from ethyl, propyl, i-propyl, t-butyl, cyclohexyl, methoxy, ethoxy, propoxy, butoxy, dimethylamino, trimethylsilyl, fluorine, chlorine, phenoxy, tolyoxy, dimethylamino, diethylamino, diethylamino, diphenylamino, and triphenylsilyl

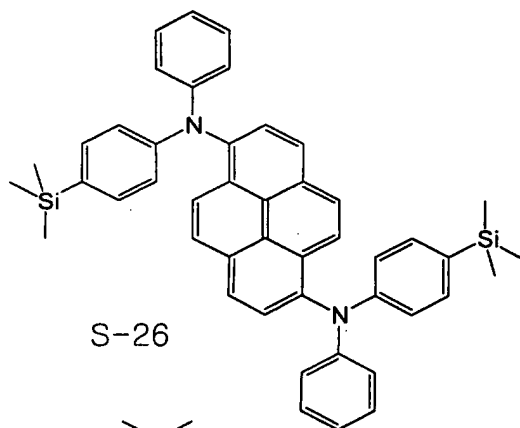
wherein the blue emitting material is at least one of following chemical formulas



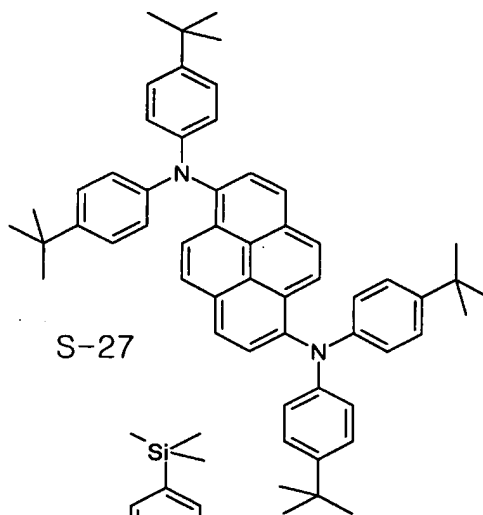




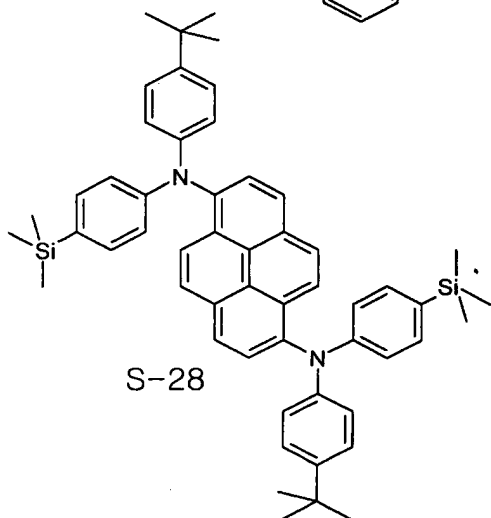




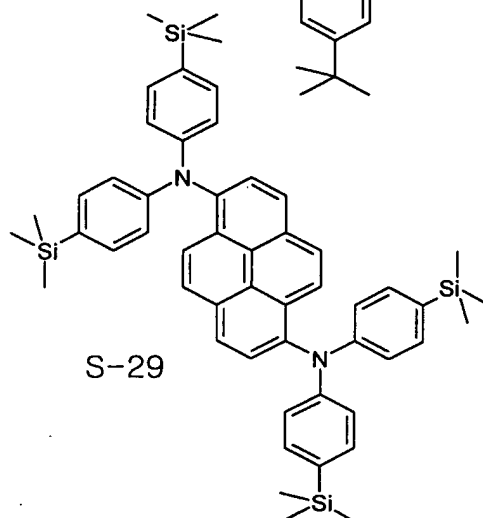
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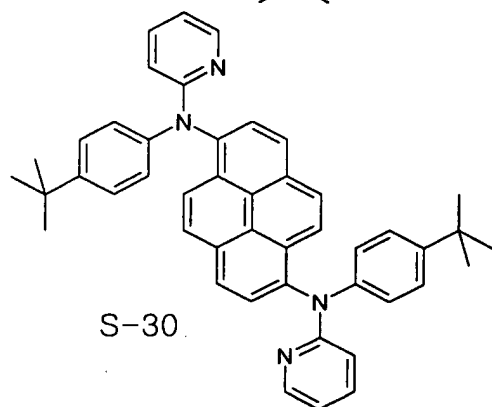
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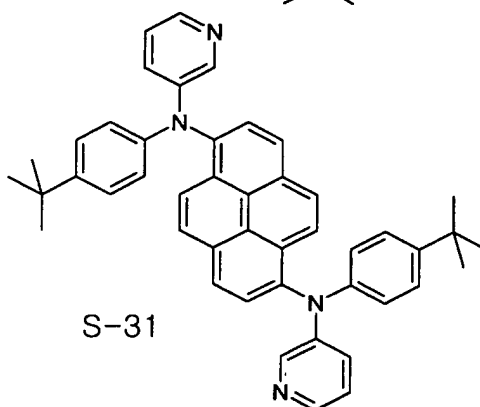
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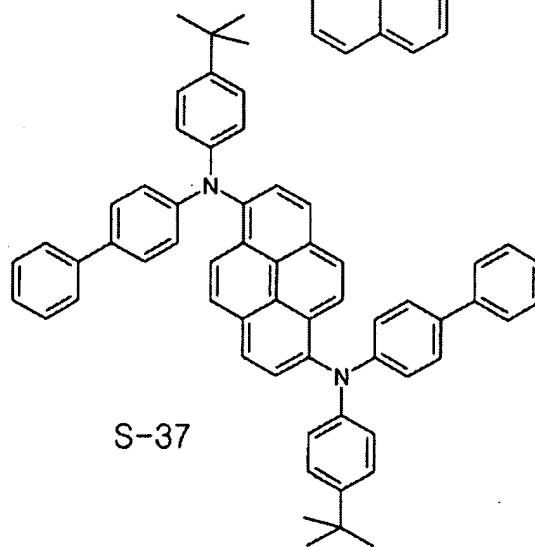
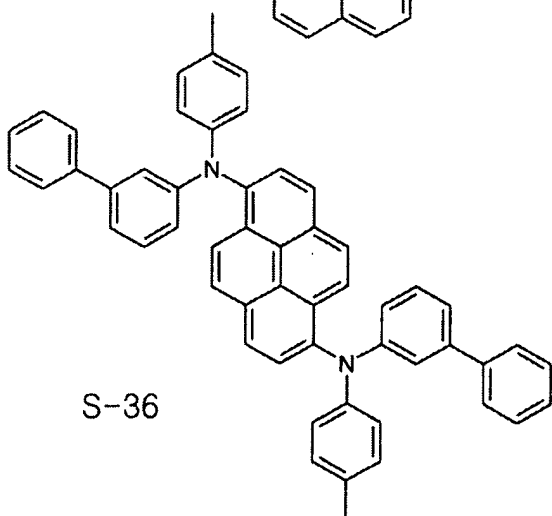
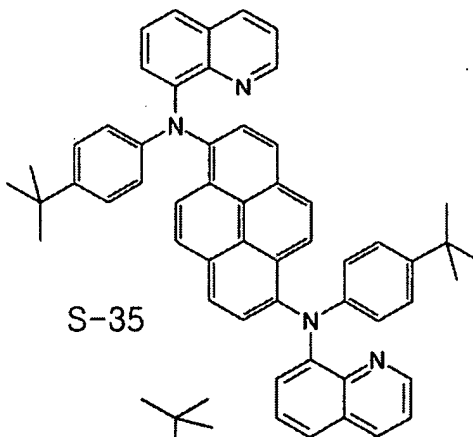
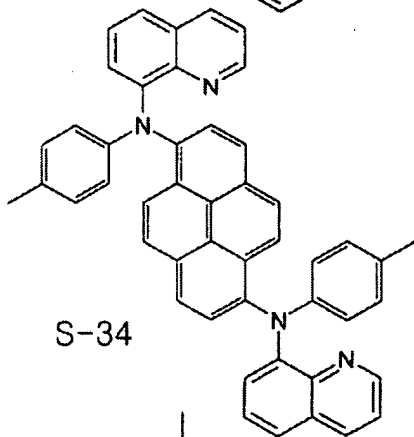
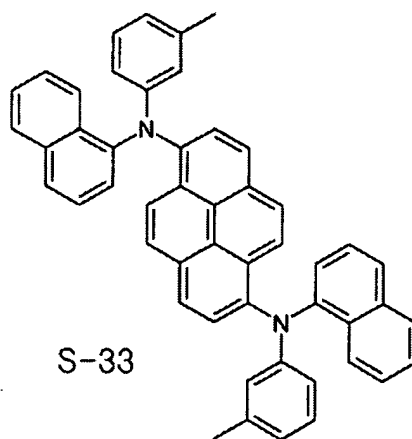
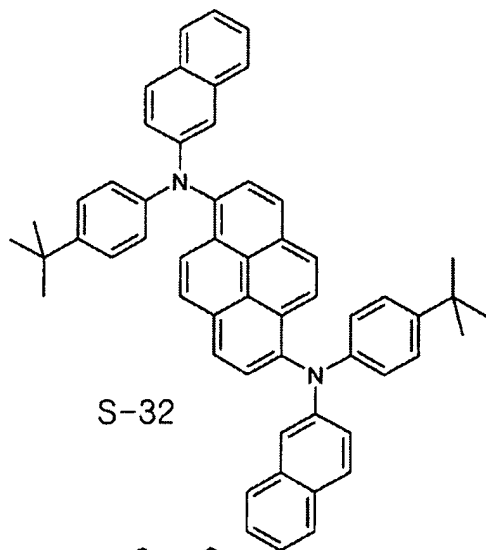
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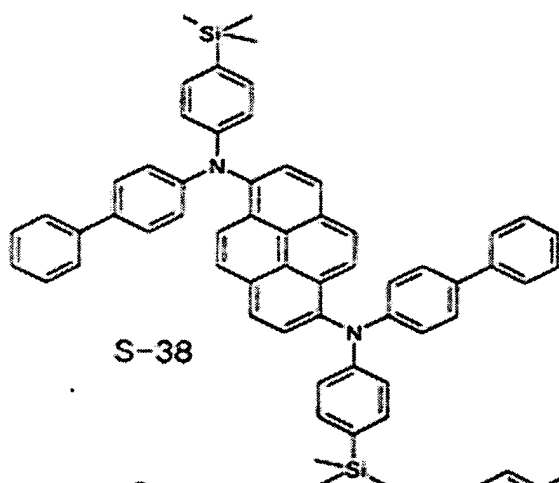


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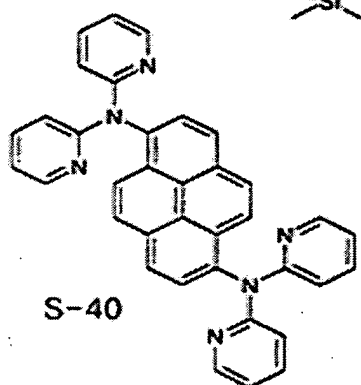


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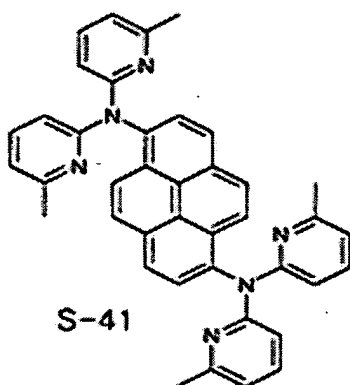




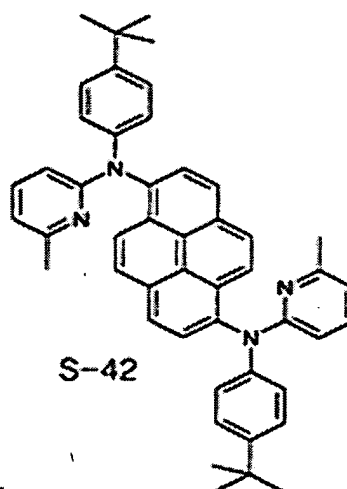
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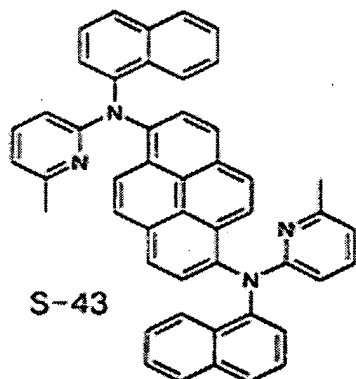
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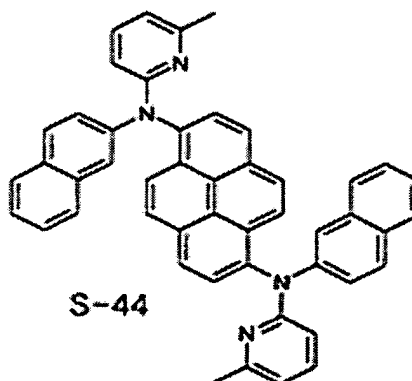
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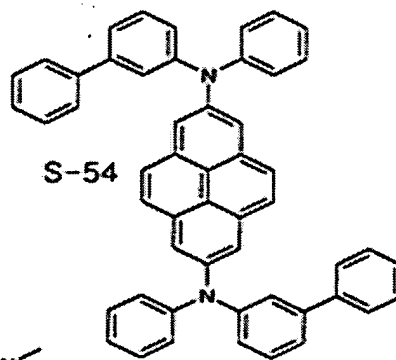
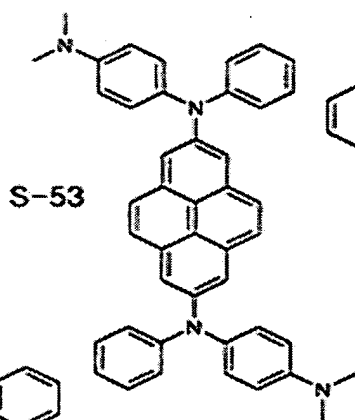
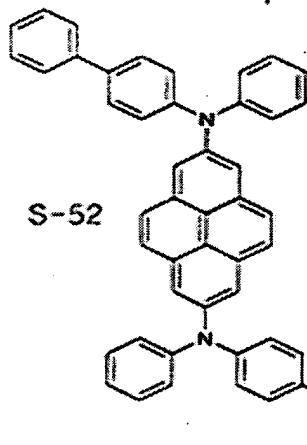
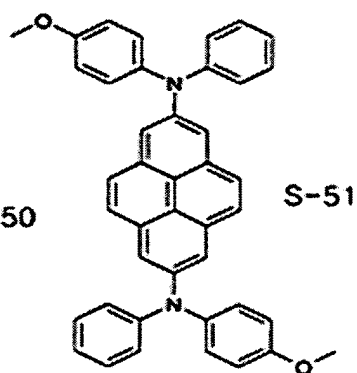
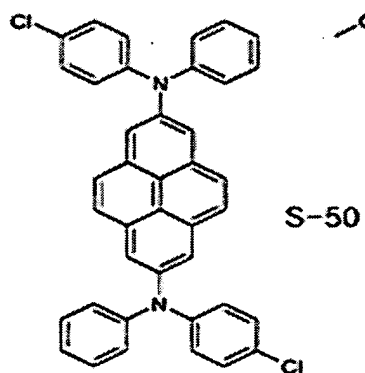
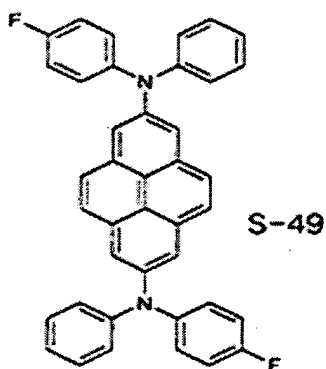
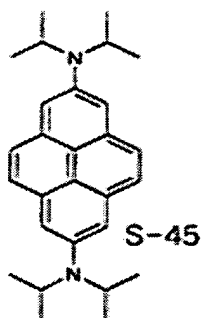
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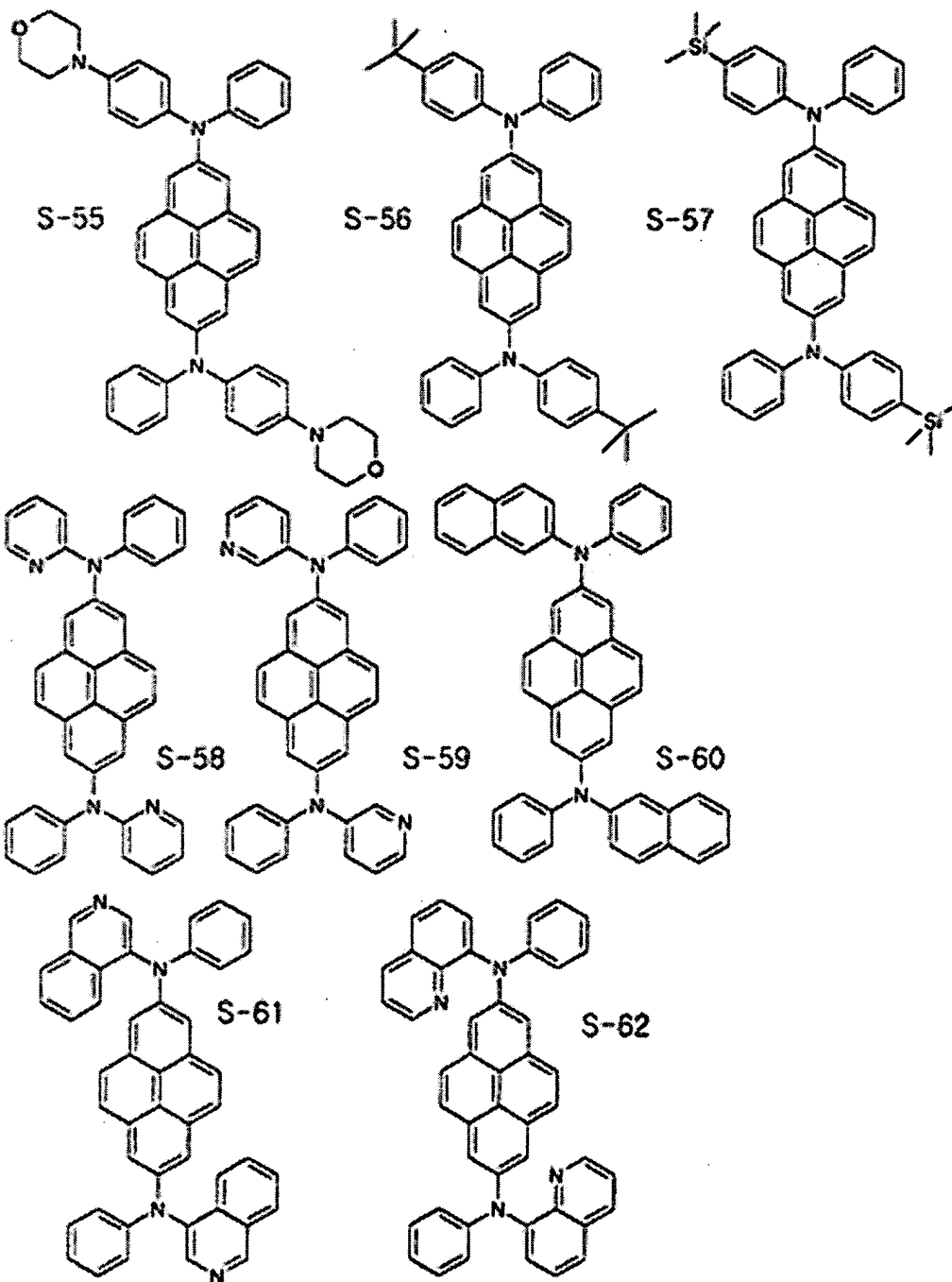


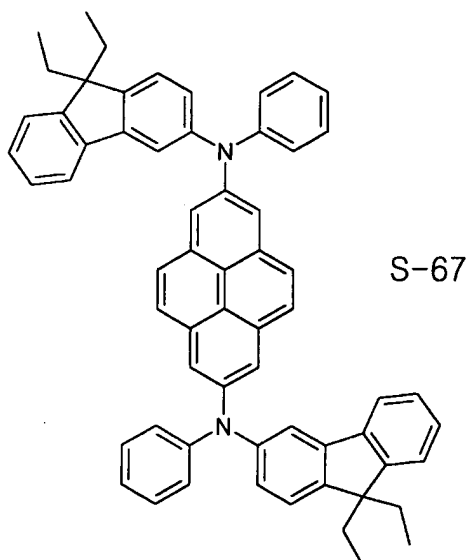
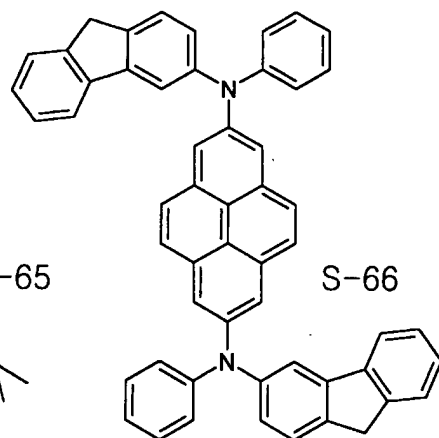
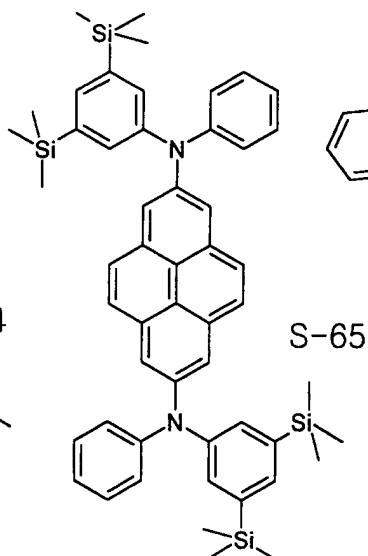
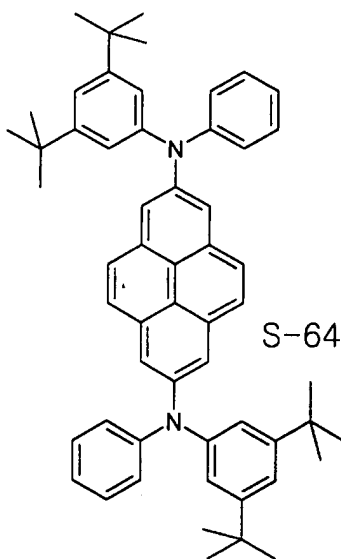
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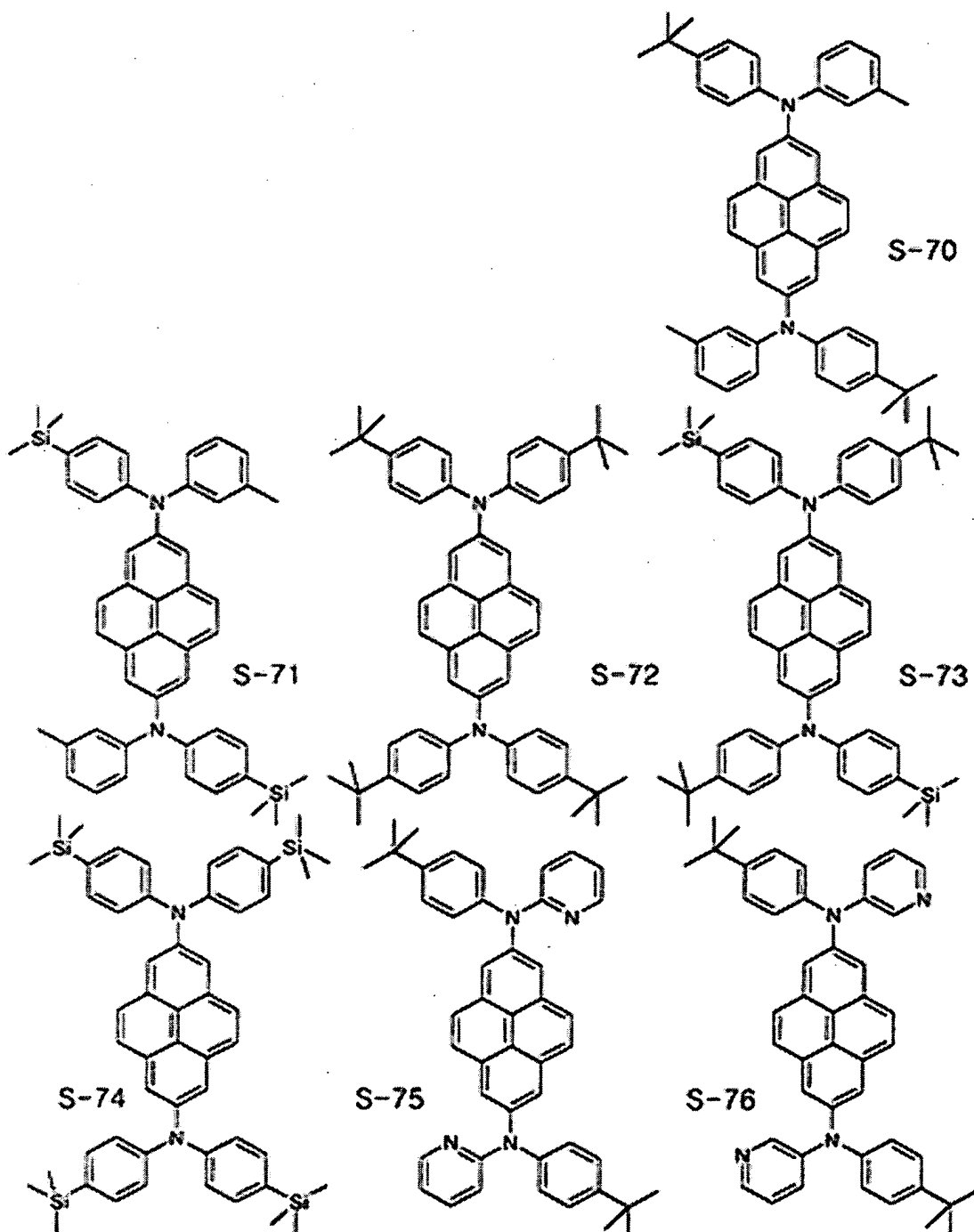


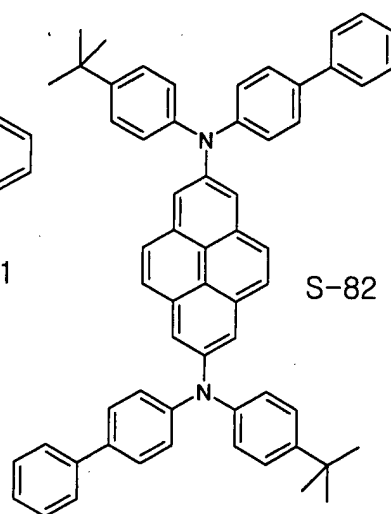
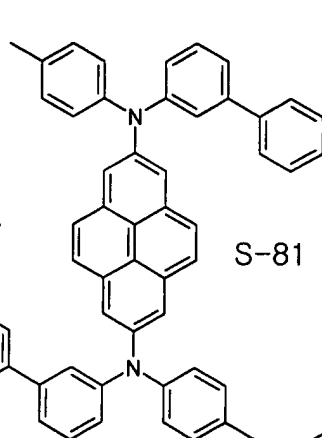
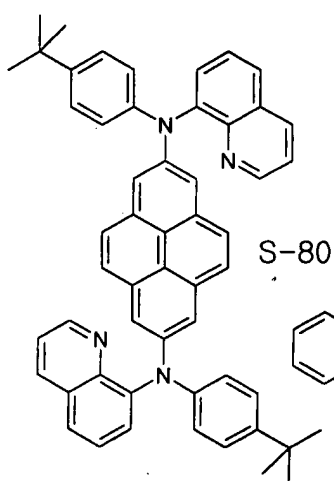
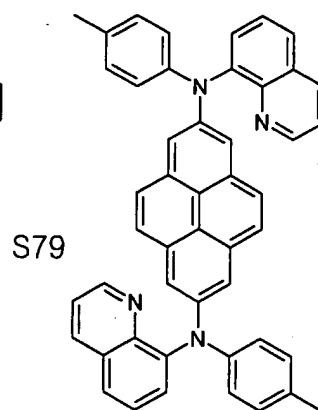
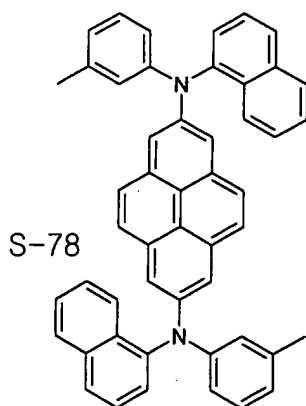
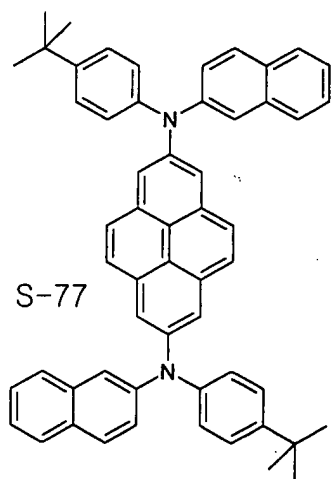
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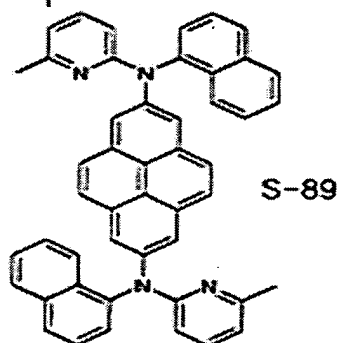
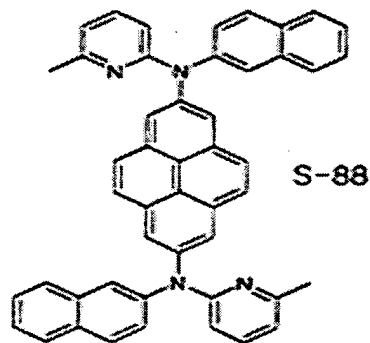
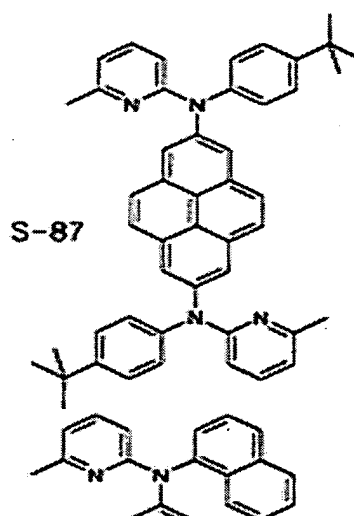
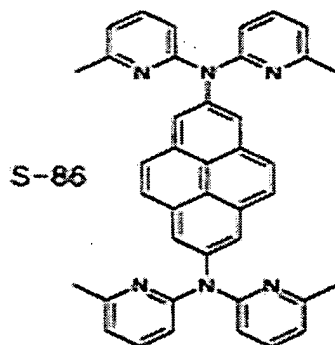
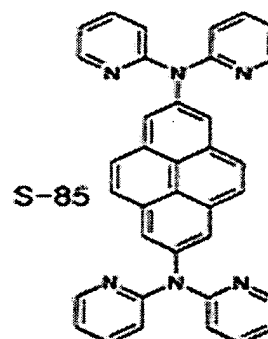
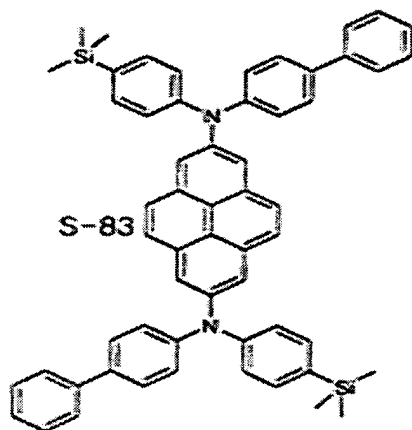








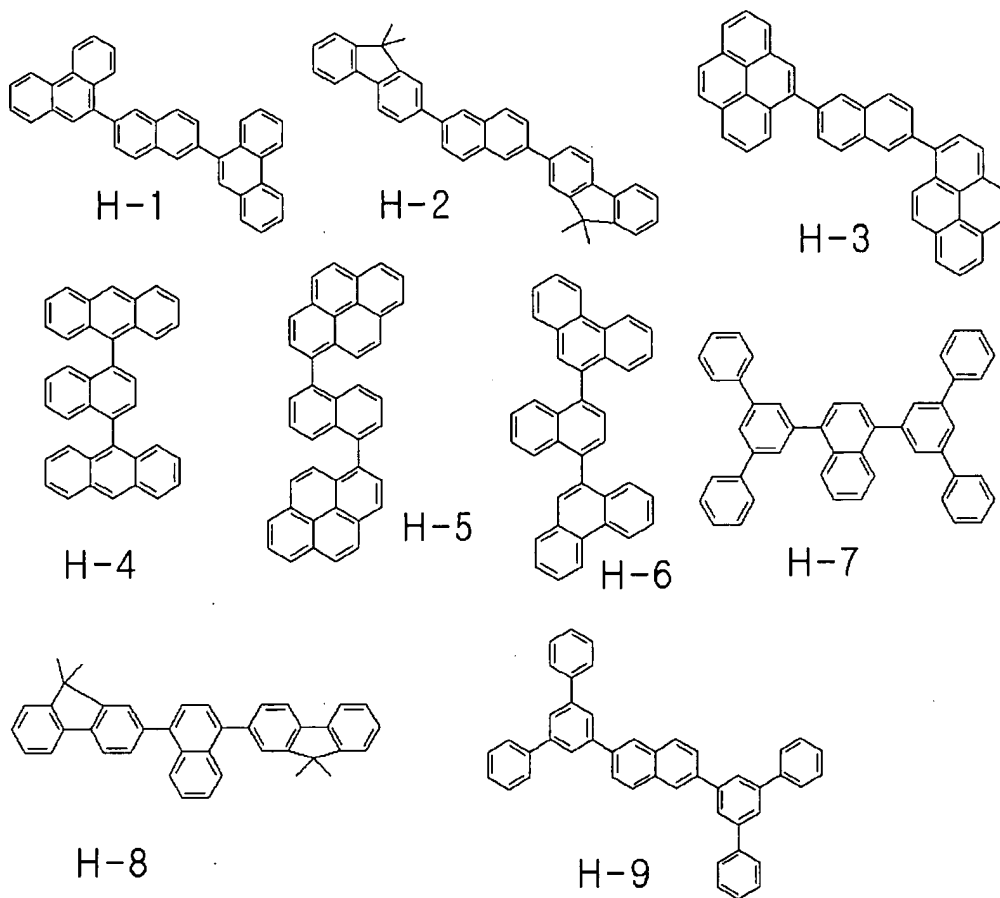


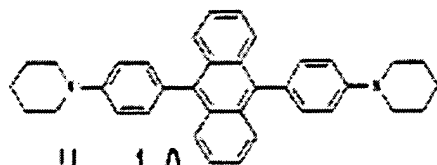


2. (Previously Presented) The blue organic electroluminescent device of claim 1, wherein wt. % of the material of the chemical formula 1 is 0.1 - 49.9wt.% of a total weight of the emitting layer.

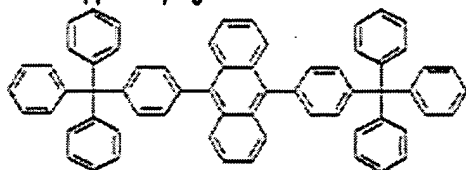
3-4. (Canceled)

5. (Previously Presented) The blue organic electroluminescent device of claim 1, wherein the material forming the emitting layer together with the material of the chemical formula 1 is one of following formulas

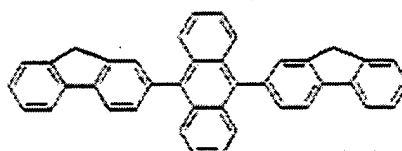




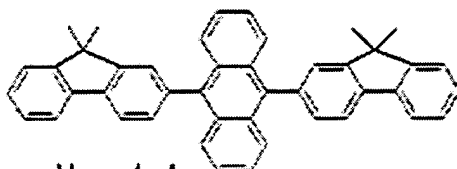
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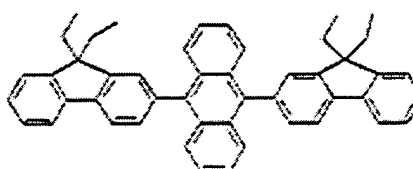
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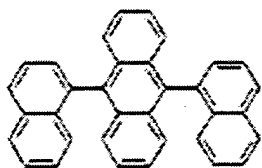
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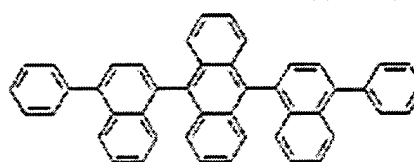
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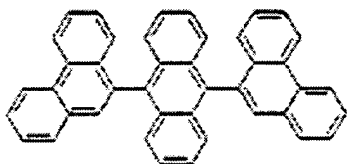
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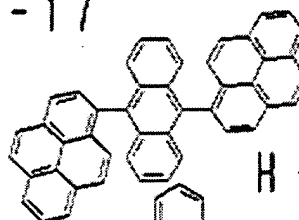
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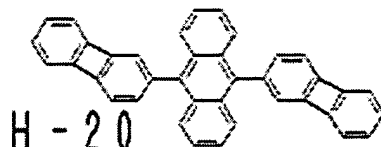
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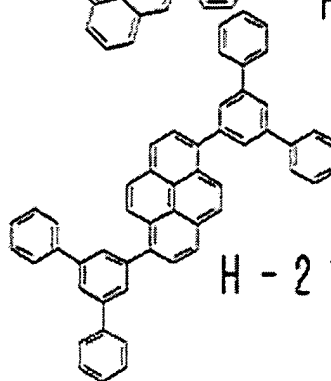
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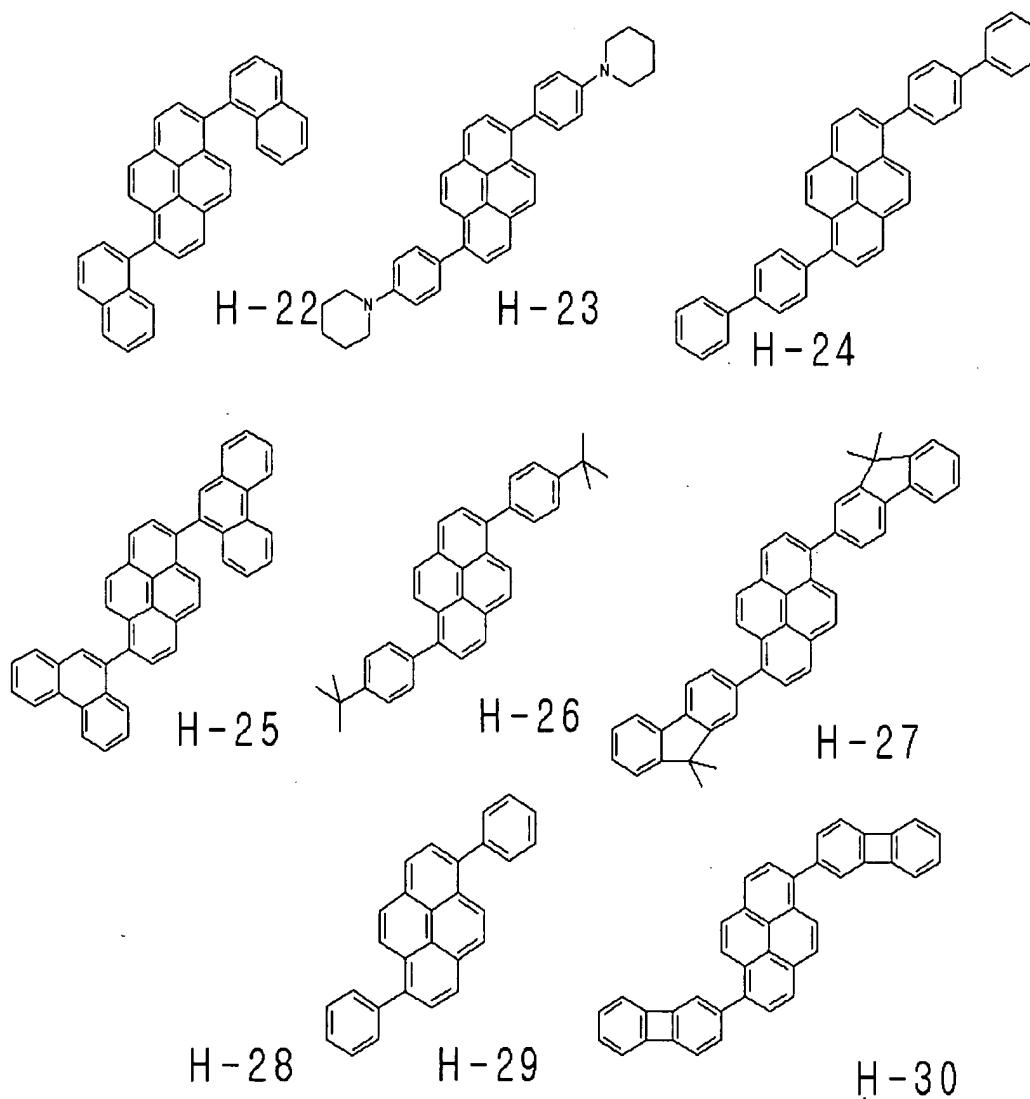
H - 19



H - 20



H - 21



6-8. (Canceled)

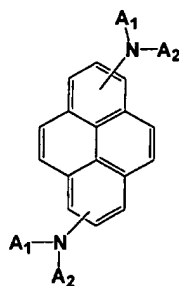
9. (Currently Amended) The blue organic electroluminescent device of claim 1, A blue organic electroluminescent device, comprising:

a substrate;

a first and second electrodes formed on the substrate;

an emitting layer formed between the first electrode and the second electrode, the emitting layer having a plurality of materials and comprising a blue emitting material using a chemical formula 1 as a dopant

[Chemical formula]



wherein, A1 and A2 are selected from a substituted or non-substituted aromatic group, a heterocyclic group, an aliphatic group and hydrogen,

wherein materials forming the emitting layer together with the material of the chemical formula 1 is structured as a chemical formula 2

[Chemical formula 2]

B1 - X - B2

wherein the X is selected from a group consisting of naphthalene, phenanthrene, pyrene, perylene, and quinoline

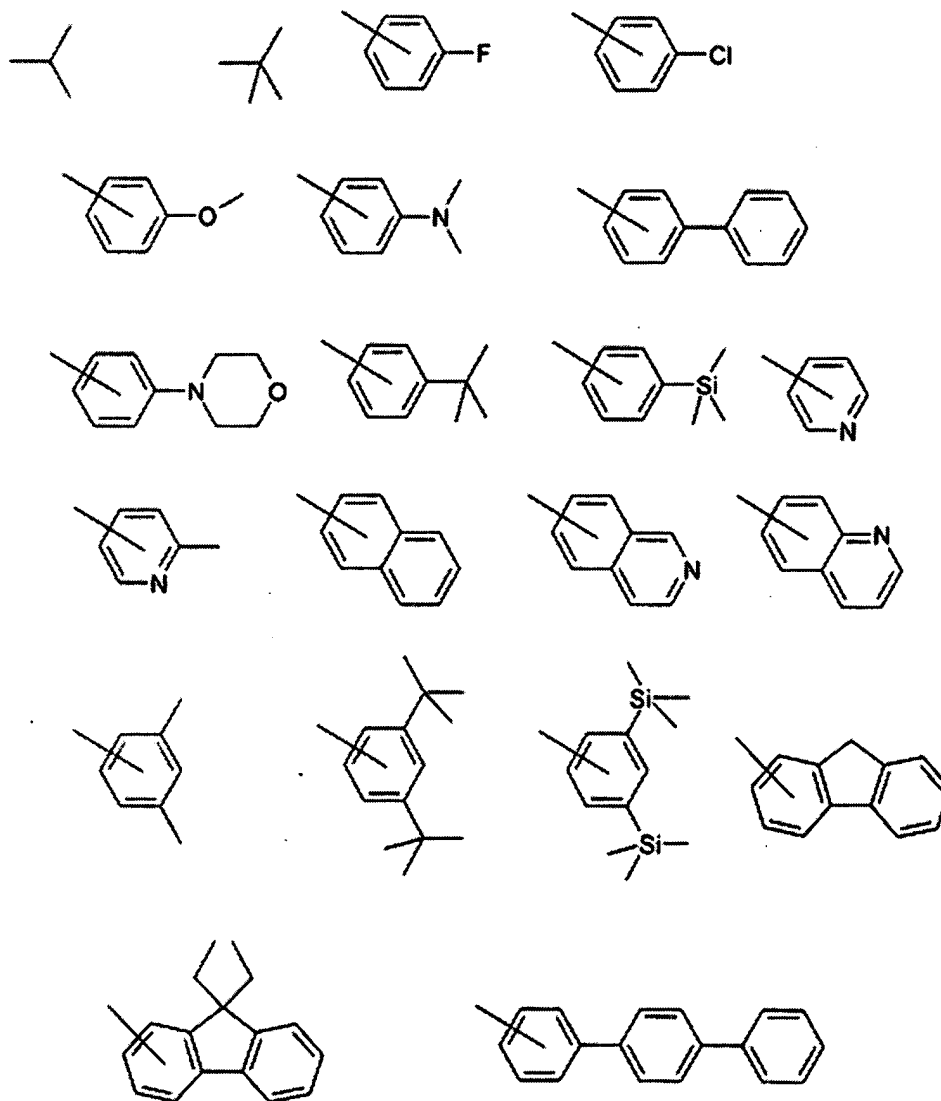
wherein the B1 and B2 are selected from phenyl, pyridyl, naphthyl, tritolyphenyl, biphenylenyl, anthryl, phenanthryl, pyrenyl, perylenyl, quinolyl, isoquinolyl, fluorenyl, terphenyl, tolyl, xylol, methylnaphthyl, and hydrogen;

wherein A1 and A2 are selected from a substituted or non-substituted biphenyl, a substituted or non-substituted pyridyl, a substituted or non-substituted naphthyl, a substituted or non-substituted quinolyl, a substituted or non-substituted isoquinolyl, a substituted or non-substituted fluorenyl, a substituted or non-substituted terphenyl, ethyl, propyl, i-propyl, and t-butyl;

wherein a substituent of each substituted A1 and A2 is selected from alkyl, alkoxy, alkylamino, alkylsilyl, halogen, aryl, aryloxy, arylamino, arylsilyl and hydrogen; and

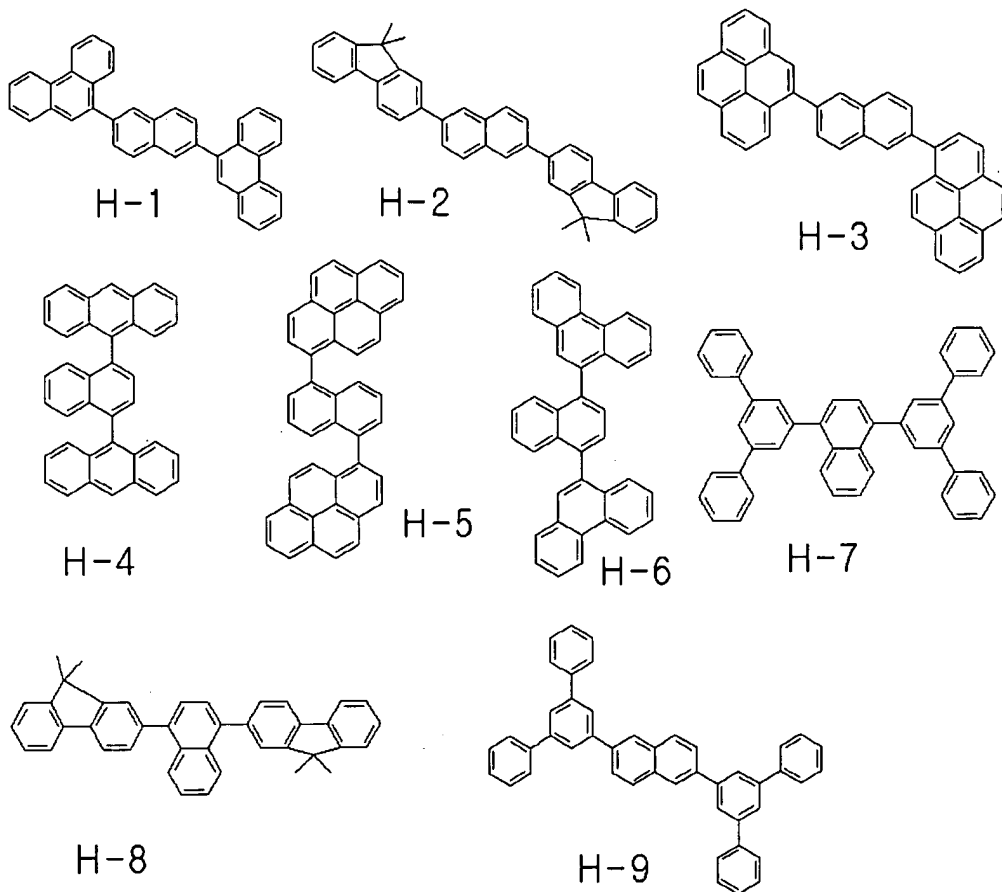
wherein the substituent is one selected from ethyl, propyl, i-propyl, t-butyl, cyclohexyl, methoxy, ethoxy, propoxy, butoxy, dimethylamino, trimethylsilyl, fluorine, chlorine, phenoxy, tolyoxy, dimethylamino, diethylamino, diethylamino, diphenylamino, and triphenylsilyl

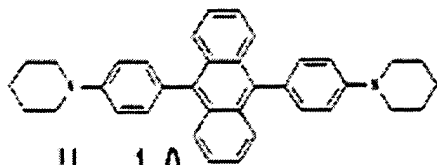
wherein at least one of the A1 and A2 is selected in one of following chemical formulas.



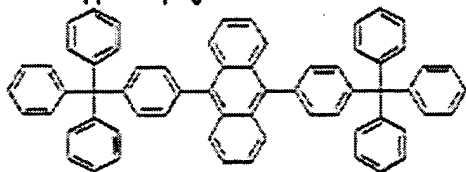
10. (Canceled)

11. (New) The blue organic electroluminescent device of claim 9, wherein the material forming the emitting layer together with the material of the chemical formula 1 is one of following formulas

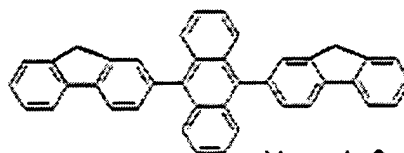




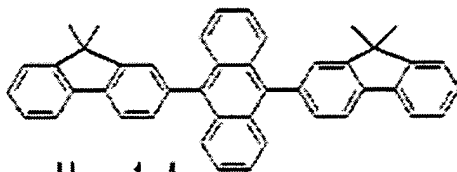
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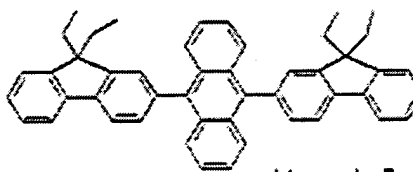
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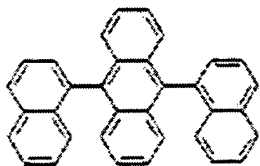
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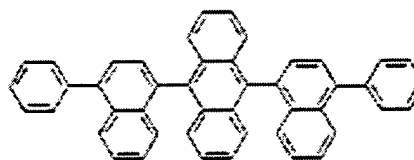
H - 14



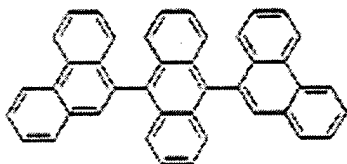
H - 15



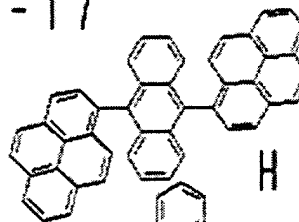
H - 16



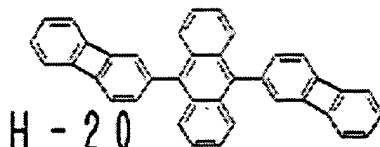
H - 17



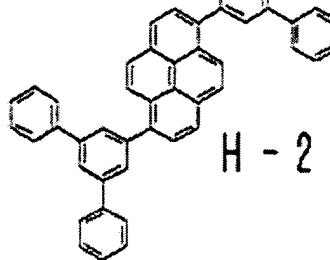
H - 18



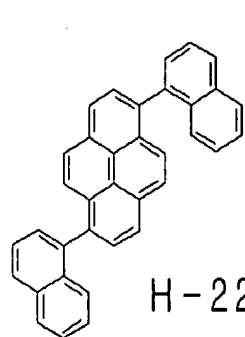
H - 19



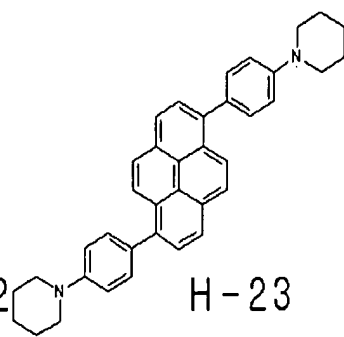
H - 20



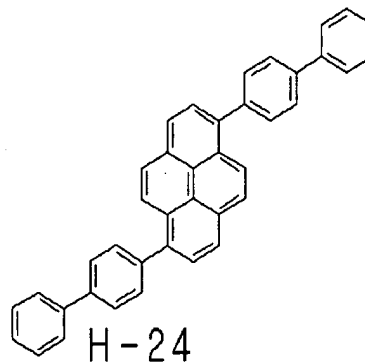
H - 21



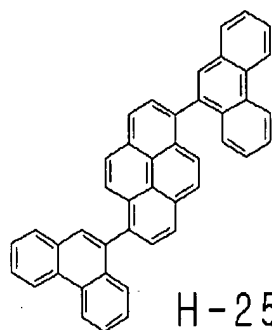
H-22



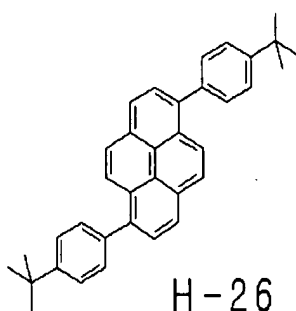
H-23



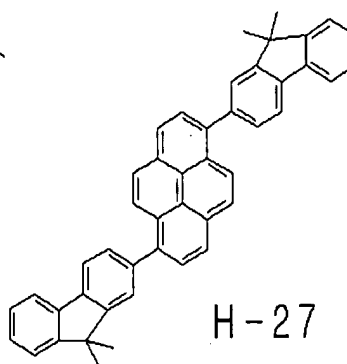
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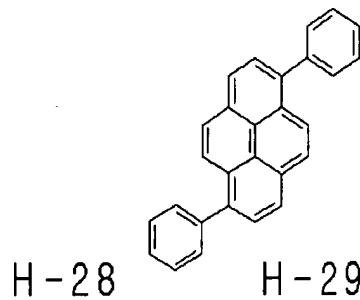
H-25



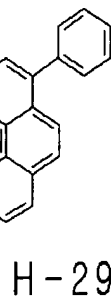
H-26



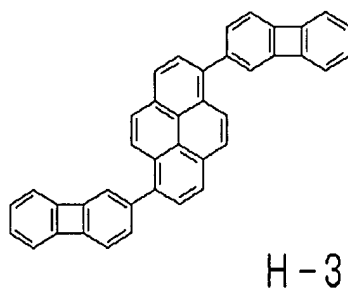
H-27



H-28



H-29



H-30